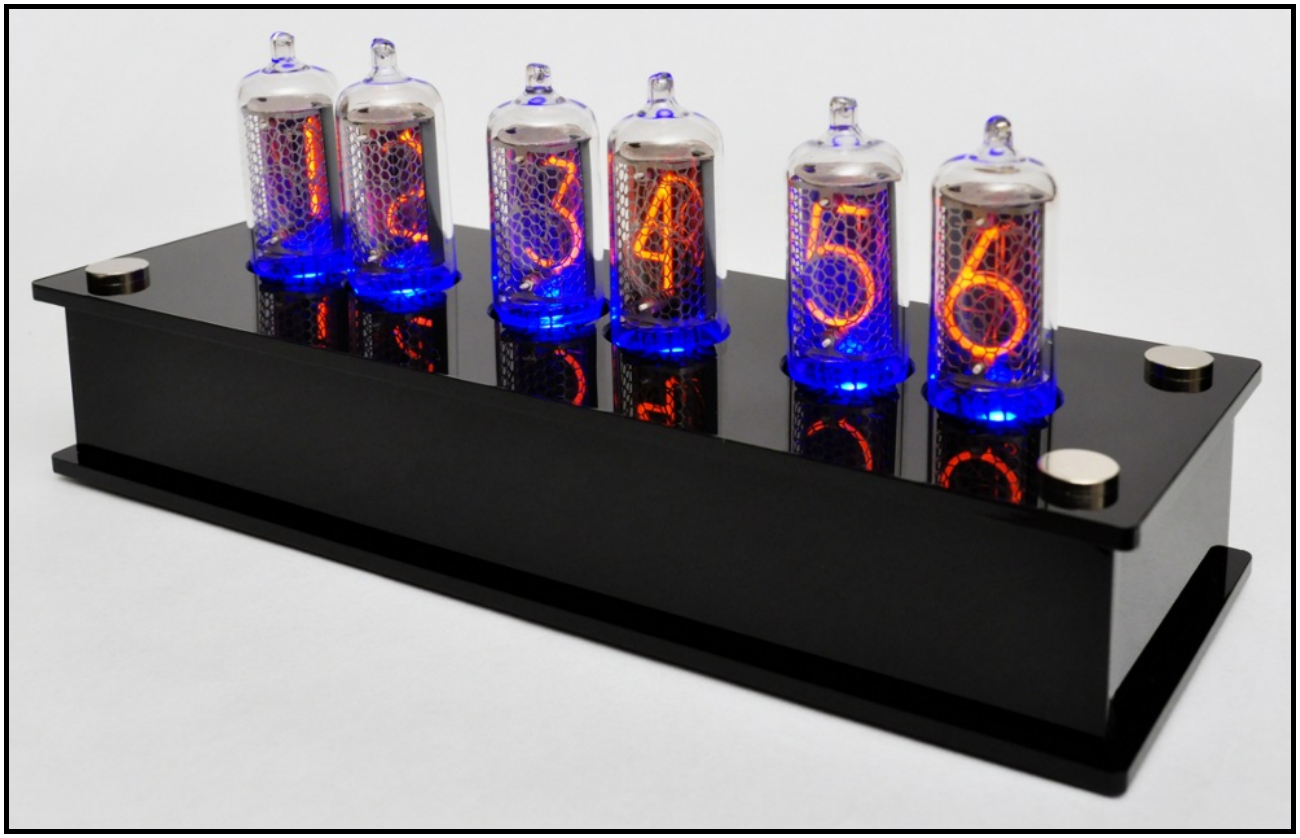
Case Installation Manual
For the
IN-8-2 Blue Dream Nixie Clock
in Black Brilliance Case



This description explains the installation of the Universal Clock V1.08 board and the board V1.08f “IN-8-2 Blue Dream” in the “Black Brilliance Case”.

What you get:

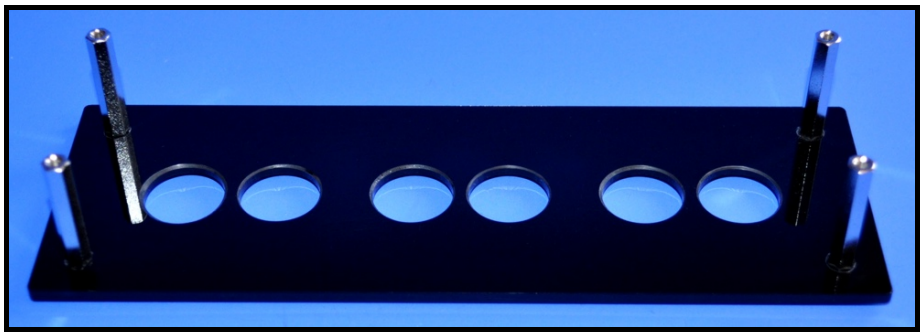
4 spacers, 31 mm
4 top plate screw
7 pan head screws
2 tactile switches
4 rubber bumpons
1 power jack
1 cleaning cloth
1 pair of cotton gloves
all case parts (black acrylic)

Case installation of the IN-8-2 Blue Dream Nixie Clock

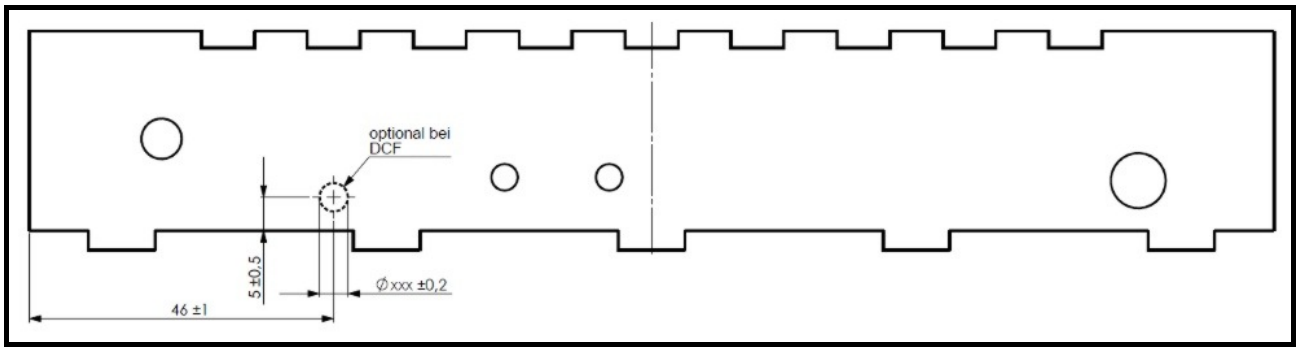
Preparation of all parts:
If you wish, you can slightly chamfer all edges. Use a hard sanding block on the work bench. Apply a 400 water sanding paper, leave the protective foil on the parts and grind the parts very carefully in a 45° angle.
To one's own taste, you can break the edges more or less:

Just as you like you can countersink the holes a bit.
Use undiluted detergent as a lubricant. Now put on the mounting gloves and remove the protective foils from the top plate. Use the assembly gloves whenever you handle acrylic glass. Mount the four standoffs 31 mm with the cover plate screws to the cover plate.

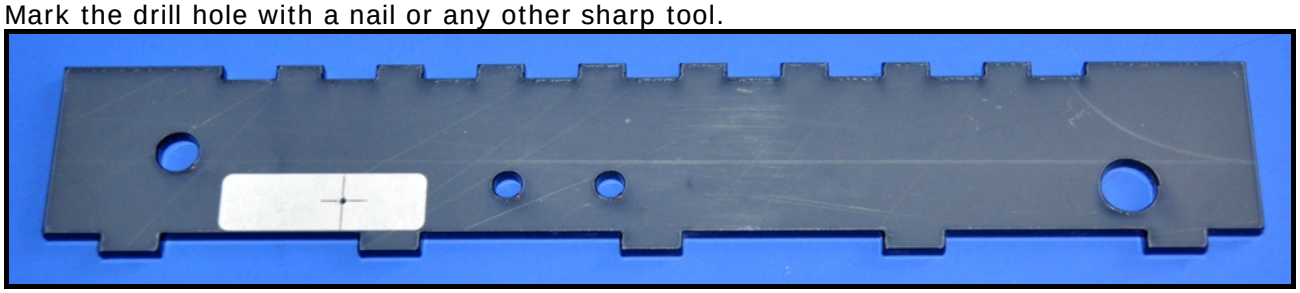
WARNING: The sinks have to face downwards!
CAUTION: Tighten only with very low torque!



Preparation of the back panel:
If you use a DCF receiver, drill the hole according to the drawing below.



Mark the drill hole with a nail or any other sharp tool.

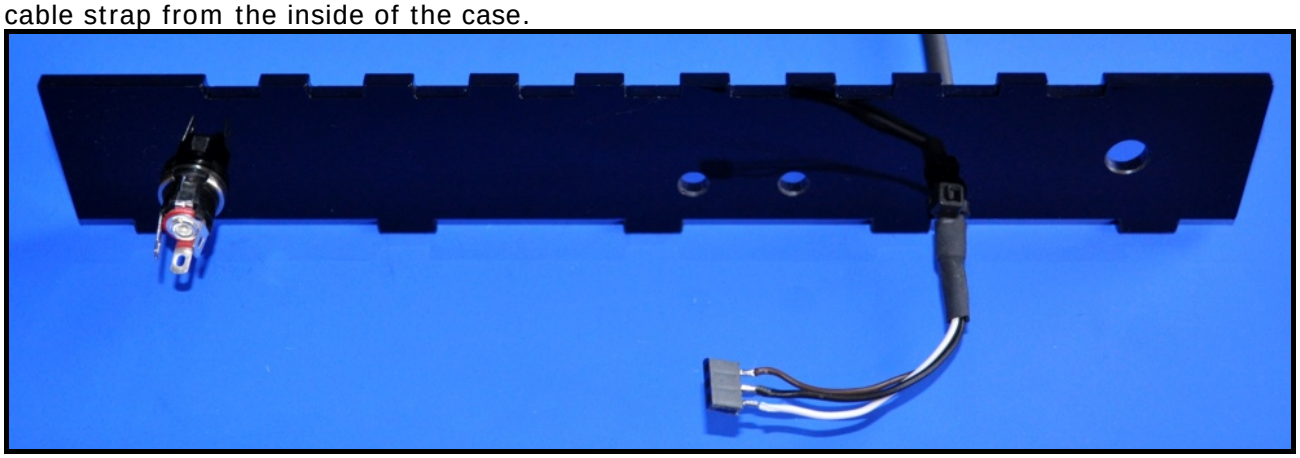


Leave the protective foil on the plate.

Measure the diameter for the cable, if you use the DCF option. Fix the back plate in a parallel vice using a bit of toilet paper to prevent scratches on the material and drill the hole for DCF cable.

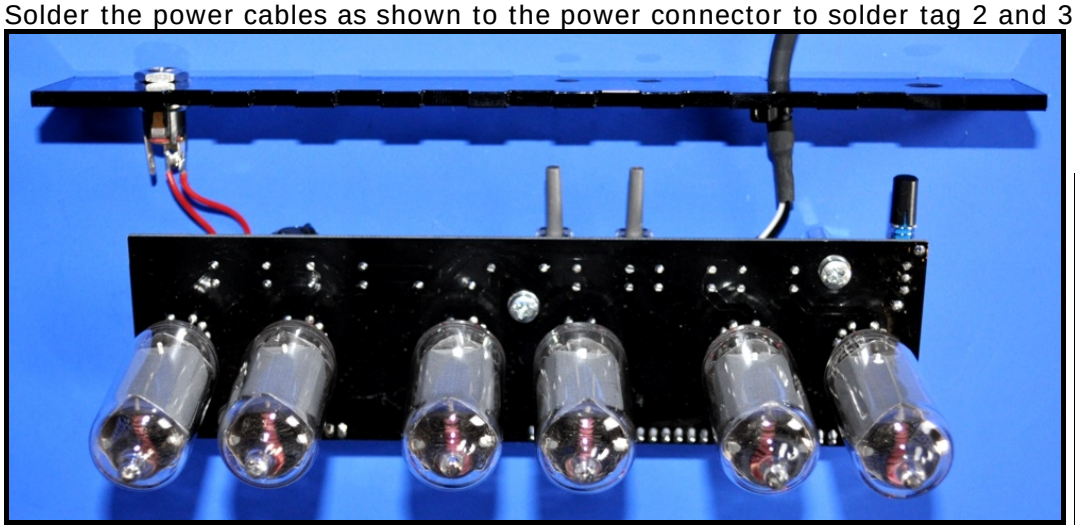
Countersink the drills in the back plate a bit.
Now remove the protective foils from the back panel.
For best cleaning, use isopropanol (isopropyl alcohol). Mount the power jack as shown below using a 3/8 wrench – do not use pliers.

If you use the DCF receiver, apply the cable through the hole for 50 mm and secure it with a cable strap from the inside of the case.

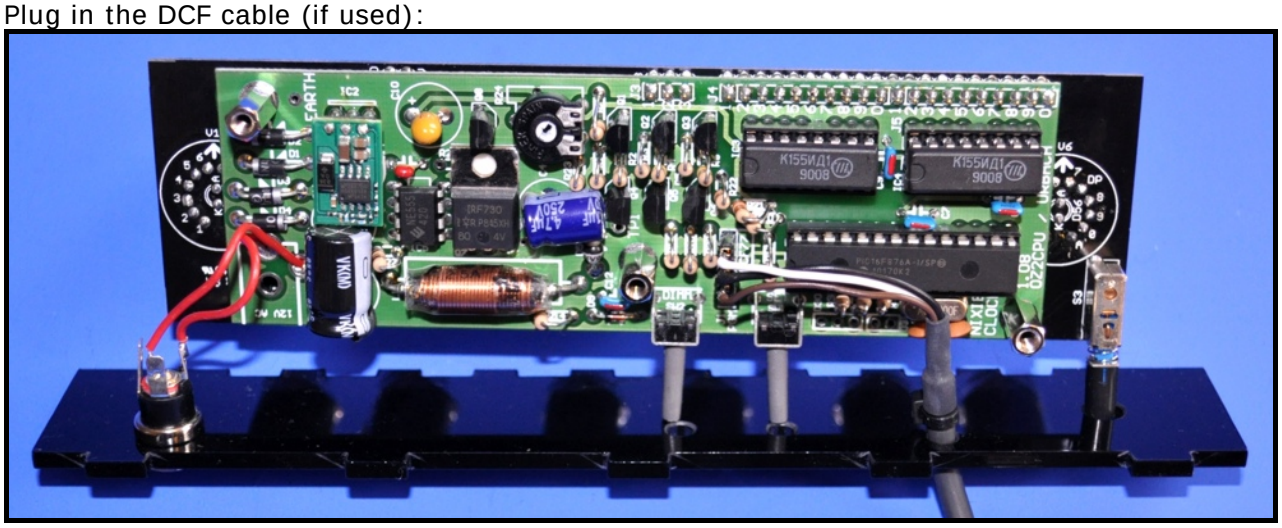


Attention:
The colours used in the picture are just an example. In your clock they can be different of course. Here in this example: DCF brown, GND: black, VDD white.

Solder the power cables as shown to the power connector to solder tag 2 and 3:



Plug in the DCF cable (if used):

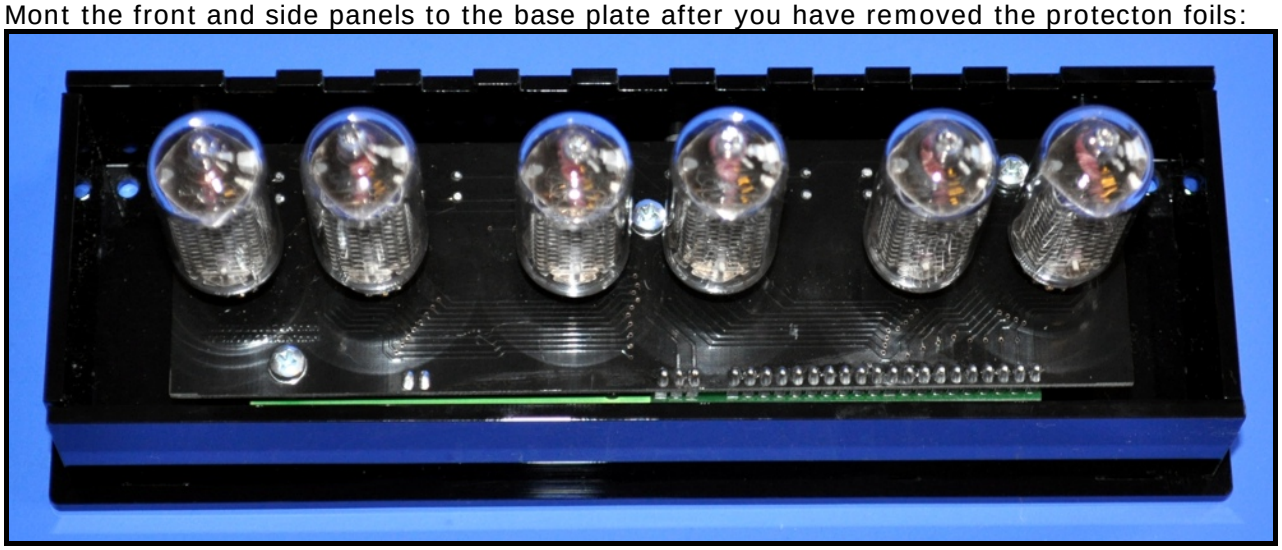


Final assembly:

Use your gloves and remove the protective foils from the base plate. Insert the back plate into the base plate:

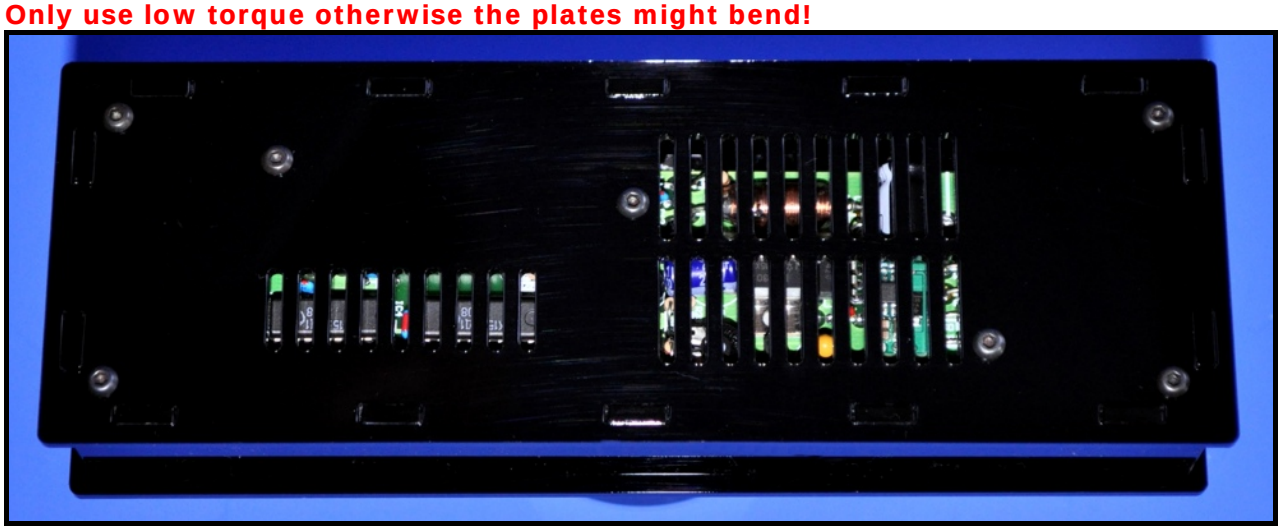
Mount the clock module to the bottom plate using the 3 M3×5 pan head screws. Tighten with low torque only! Test the function of the socket, the switch and the GPS module.
Insert the front plate and the side plates carefully into the base plate:

Mont the front and side panels to the base plate after you have removed the protecton foils:

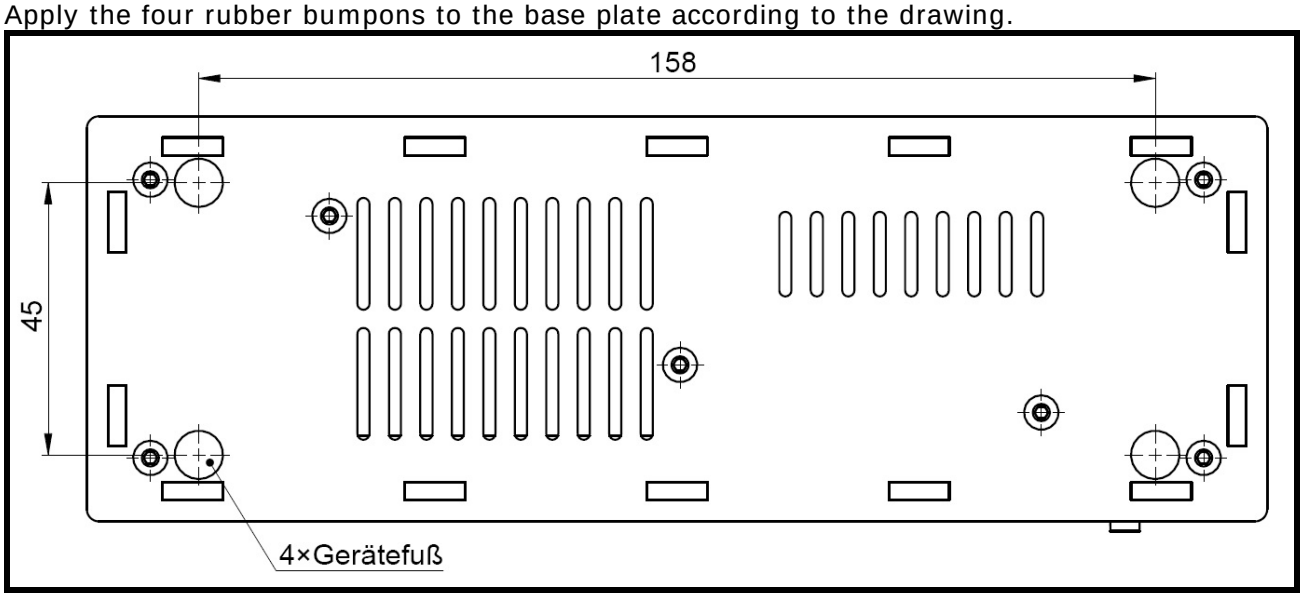


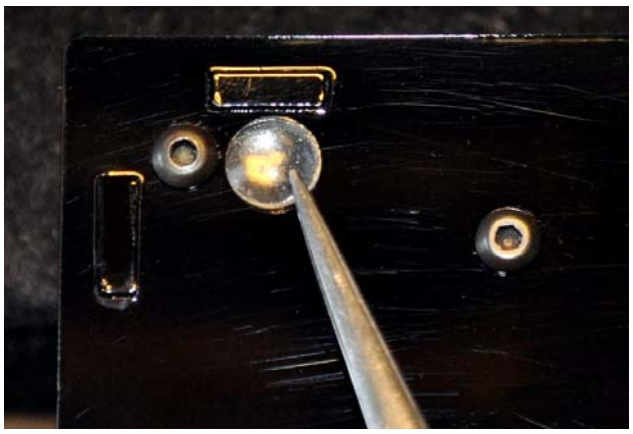
Mount the top plate and fix it from the bottom plate with 4 M3×5 pan head screws.

Attention:
Only use low torque otherwise the plates might bend!



Apply the four rubber bumpons to the base plate according to the drawing.





Now do a complete function check and enjoy your new IN-8-2 Blue Dream Nixie Clock

To clean your clock use the „Urbach/Nocrotec“ cleaning cloth and Isopropanol (Isopropylalcohol).